

October 07, 2010

2:07:34PM

Client: Exxonmobil Everett Terminal  
52 Beacham Street  
Everett, MA 02149  
Attn: Arthur Powers

Work Order: NTI2746  
Project Name: Everett Terminal  
Project Nbr: NPDES Permt MA0000833  
P/O Nbr:  
Date Received: 09/28/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Outfall 001B-Diluent	NTI2746-01	09/27/10 15:00
Outfall 001B-Diluent	NTI2746-02	09/27/10 15:00
Outfall 001B-Diluent	NTI2746-03	09/27/10 15:00
Outfall 001B-Diluent	NTI2746-04	09/27/10 15:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

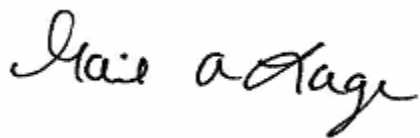
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Gail A Lage

Program Manager - National Accounts

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Received: 09/28/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTI2746-01 (Outfall 001B-Diluent - Waste Water) Sampled: 09/27/10 15:00</b>								
General Chemistry Parameters								
Total Suspended Solids	7.00		mg/L	1.00	1	10/01/10 04:10	SM2540 D	10I5300
<b>Sample ID: NTI2746-02 (Outfall 001B-Diluent - Waste Water) Sampled: 09/27/10 15:00</b>								
General Chemistry Parameters								
Total Organic Carbon	1.84		mg/L	1.00	1	10/07/10 04:32	SM5310 B	10J0862
<b>Sample ID: NTI2746-03 (Outfall 001B-Diluent - Waste Water) Sampled: 09/27/10 15:00</b>								
General Chemistry Parameters								
Ammonia as N	0.588		mg/L	0.100	1	10/04/10 10:52	EPA 350.1M	10I5371
<b>Sample ID: NTI2746-04 (Outfall 001B-Diluent - Waste Water) Sampled: 09/27/10 15:00</b>								
General Chemistry Parameters								
Residual Chlorine	ND	HTI	mg/L	0.100	1	10/04/10 11:11	SM 4500Cl G	10J0457

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## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>General Chemistry Parameters</b>						
<b>10I5300-BLK1</b>						
Total Suspended Solids	<0.500		mg/L	10I5300	10I5300-BLK1	10/01/10 04:10
<b>10I5371-BLK2</b>						
Ammonia as N	<0.0640		mg/L	10I5371	10I5371-BLK2	10/04/10 10:37
<b>10J0457-BLK1</b>						
Residual Chlorine	<0.00900		mg/L	10J0457	10J0457-BLK1	10/04/10 11:11
<b>10J0862-BLK1</b>						
Total Organic Carbon	<0.500		mg/L	10J0862	10J0862-BLK1	10/07/10 04:32

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## PROJECT QUALITY CONTROL DATA

### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>10I5300-DUP1</b>										
Total Suspended Solids	113	119		mg/L	5	5	10I5300	NTI2724-01		10/01/10 04:10
<b>10I5300-DUP2</b>										
Total Suspended Solids	3620	2240	R2	mg/L	47	5	10I5300	NTI2949-01		10/01/10 04:10
<b>10I5371-DUP2</b>										
Ammonia as N	0.847	0.894		mg/L	5	41	10I5371	NTI2763-08		10/04/10 10:57
<b>10J0457-DUP1</b>										
Residual Chlorine	0.0266	0.0266	HTI	mg/L	0	2	10J0457	NTI2825-01		10/04/10 11:11
<b>10J0862-DUP1</b>										
Total Organic Carbon	5.11	3.29	R2	mg/L	43	20	10J0862	NTJ0508-01		10/07/10 04:32

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## PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>General Chemistry Parameters</b>								
<b>10I5300-BS1</b>								
Total Suspended Solids	100	94.0		mg/L	94%	90 - 110	10I5300	10/01/10 04:10
<b>10I5371-BS2</b>								
Ammonia as N	5.00	4.64		mg/L	93%	90 - 110	10I5371	10/04/10 10:38
<b>10J0457-BS1</b>								
Residual Chlorine	0.200	0.181		mg/L	91%	90 - 110	10J0457	10/04/10 11:11
<b>10J0862-BS1</b>								
Total Organic Carbon	10.0	9.94	MNR	mg/L	99%	90 - 110	10J0862	10/07/10 04:32

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## PROJECT QUALITY CONTROL DATA

### LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>General Chemistry Parameters</b>												
<b>10I5300-BSD1</b>												
Total Suspended Solids		94.0		mg/L	100	94%	90 - 110	0	20	10I5300		10/01/10 04:10
<b>10J0862-BSD1</b>												
Total Organic Carbon		10.0		mg/L	10.0	100%	90 - 110	1	20	10J0862		10/07/10 04:32

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## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>10I5371-MS2</b>										
Ammonia as N	0.588	5.42		mg/L	5.00	97%	90 - 110	10I5371	NTI2746-03	10/04/10 10:55

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## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>General Chemistry Parameters</b>												
<b>10I5371-MSD2</b>												
Ammonia as N	0.588	5.31		mg/L	5.00	94%	90 - 110	2	41	10I5371	NTI2746-03	10/04/10 10:55



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## DATA QUALIFIERS AND DEFINITIONS

**HTI** The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.  
**MNR** No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix.  
Because of this, the spike compounds were diluted below the detection limit.  
**R2** The RPD exceeded the acceptance limit.  
**ND** Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES

350.1 M - M = Ammonia-Nitrogen method modified for midi-distillation with Lachat Procedure 10-107-06-1-A.



**Lage, Gail**

**From:** Sreng, Visoth [vsreng@triumvirate.com]  
**Sent:** Wednesday, September 29, 2010 12:23 PM  
**To:** Lage, Gail  
**Subject:** FW: TotalAccess samples received for Everett Terminal. Exxonmobil Everett Terminal [NTI2746]

Hi Gail – we need these on 5 days TAT also.

Visoth

**From:** TotalAccess [mailto:totalaccess@testamericainc.com]  
**Sent:** Wednesday, September 29, 2010 11:50 AM  
**To:** Sreng, Visoth  
**Subject:** TotalAccess samples received for Everett Terminal. Exxonmobil Everett Terminal [NTI2746]

**WORK ORDER****NTI2746****Nashville Laboratory**

**Project/Job**  
**Description:** Everett Terminal

**Project**  
**Number:** NPDES Permt MA0000833

**Report To:**

Arthur Powers  
 Exxonmobil Everett Terminal  
 52 Beacham Street  
 Everett, MA 02149  
 Phone: (617) 381-2802  
 Fax: (xxx) xxx-xxxx

**Invoice To:**

Mary Martel  
 Exxonmobil Everett Terminal  
 52 Beacham Street  
 Everett, MA 02149  
 Phone: (617) 381-2802  
 Fax: (xxx) xxx-xxxx

<b>Laboratory Project Manager:</b>	Gail A Lage	<b>Date Due:</b>	10/12/10 23:59
<b>Status:</b>	Received	<b>Date Received:</b>	09/28/10 08:00
<b>Status Date:</b>	09/29/10 09:42	<b>Date Logged:</b>	09/28/10 15:22
<b>Analysis</b>	<b>Expires</b>	<b>Status</b>	<b>Status Date</b>
<b>Outfall 001B-Diluent (NTI2746-01) Water</b>	<b>Sampled: 09/27/10 15:00</b>		
Solids Suspended SM2540 D	10/04/10 15:00	Available	09/29/10 09:42
<b>Outfall 001B-Diluent (NTI2746-02) Water</b>	<b>Sampled: 09/27/10 15:00</b>		
TOC SM5310 B	10/25/10 15:00	Available	09/29/10 09:42
<b>Outfall 001B-Diluent (NTI2746-03) Water</b>	<b>Sampled: 09/27/10 15:00</b>		
Ammonia 350.1	10/25/10 15:00	Available	09/29/10 09:42
<b>Outfall 001B-Diluent (NTI2746-04) Water</b>	<b>Sampled: 09/27/10 15:00</b>		
Chlorine Tot. Residual by Spec. SM4500-Cl G	09/27/10 19:04	Available	09/29/10 09:42

This is an automatically generated e-mail sent to you per your request on the TotalAccess site (<https://secure.testamericainc.com/totalaccess>). If you do not wish to receive these emails, please change the option under the TotalAccess Preferences page. If you receive multiple e-mails for this project, please contact your project manager.

9/29/2010

**From:** Sreng, Visoth [mailto:vsreng@triumvirate.com]  
**Sent:** Wednesday, September 29, 2010 8:56 AM  
**To:** Lage, Gail; Perry, Sandra  
**Subject:** RE: samples received for Everett Terminal - NTI2746

Gail -- it's September 27, 2010, at 3:00pm.

Visoth

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**From:** Lage, Gail [mailto:Gail.Lage@testamericainc.com]  
**Sent:** Tuesday, September 28, 2010 4:41 PM  
**To:** Perry, Sandra; Sreng, Visoth  
**Subject:** samples received for Everett Terminal - NTI2746

Visoth,  
Do you have the collection dates and times for these samples?

Thanks

**Gail A. Lage**  
Program Manager

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2960 Foster Creighton Drive  
Nashville, TN 37204  
Tel 615.301.5741 / Fax 615.726.3404  
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Cooler Received/Opened On 9/28/2010 @ 0800

1. Tracking # 9898 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 2.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA NA

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # 12A

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO...NA

16. Was residual chlorine present? YES NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES NO...NA

19. Were correct containers used for the analysis requested? YES NO...NA

20. Was sufficient amount of sample sent in each container? YES NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO # 5830

11) No sampling information present. [Signature]  
12) No sampling information present. [Signature]